EAST, 8/17/04

Cascad\$ same (pitch near detect\$)	08/17 12:59 08/17 12:58 08/17 13:55 08/17 13:03 08/17 13:07 08/17 13:08 08/17 13:08 08/17 13:08 08/17 13:08 08/17 13:08 08/17 13:58 08/17 13:58
- 4 cascad\$ same (pitch near detect\$)	08/17 13:55 08/17 13:03 08/17 13:07 08/17 13:08 08/17 13:08 08/17 13:08 08/17 13:08 08/17 13:08 08/17 13:58
dual with (pitch near detect\$)	08/17 13:55 08/17 13:03 08/17 13:07 08/17 13:08 08/17 13:08 08/17 13:08 08/17 13:08 08/17 13:08 08/17 13:58
dual with (pitch near detect\$)	08/17 13:55 08/17 13:03 08/17 13:07 08/17 13:08 08/17 13:08 08/17 13:08 08/17 13:08 08/17 13:08 08/17 13:58
dual with (pitch near detect\$)	08/17 13:03 08/17 13:07 08/17 13:08 08/17 13:08 08/17 13:08 08/17 13:08 08/17 13:08 08/17 13:08
The content of the	08/17 13:03 08/17 13:07 08/17 13:08 08/17 13:08 08/17 13:08 08/17 13:08 08/17 13:08 08/17 13:08
12 5093863.URPN. C"5001758" "5012517").PN. USPAT 2004	08/17 13:07 08/17 13:08 08/17 13:08 08/17 13:08 08/17 13:08 08/17 13:08 08/17 13:08
- 2 ("5001758" "5012517").PN.	08/17 13:07 08/17 13:08 08/17 13:08 08/17 13:08 08/17 13:08 08/17 13:08 08/17 13:08
- 0 EP-87430006.4-\$.did.	08/17 13:08 08/17 13:08 08/17 13:08 08/17 13:08 08/17 13:08 08/17 13:08 08/17 13:58
1042	08/17 13:08 08/17 13:08 08/17 13:08 08/17 13:08 08/17 13:08 08/17 13:58
- 1042 "speech recognition"	08/17 13:08 08/17 13:08 08/17 13:08 08/17 13:20 08/17 13:58
1 (EP-1400953-\$).did.	08/17 13:08 08/17 13:08 08/17 13:08 08/17 13:20 08/17 13:58
- 0 (EP-87430006-\$).did. USPAT; PO; JPO 0 - 0 (EP-7430006-\$).did. USPAT; PO; JPO 199 2004, EPO; JPO 199 4924508.URPN. USPAT; PO; JPO 199 2004, EPO; JPO 199 22 AMDF and (pitch near detect\$) USPAT; PO; JPO 199 2004, EPO; JP	08/17 13:08 08/17 13:08 08/17 13:20 08/17 13:58
EPO; JPO USPAT; 2004, I "S574823" "5781880").PN. 28 ((initial near set) and (pitch near (estimat\$ or detect\$ or calcul\$))) and "real time" EPO; JPO USPAT 2004, I "S574823" "5781880").PN. 30 (456965.URPN. USPAT 2004, I "S216747" "5226108" USPAT 2004, I "S574823" "5781880").PN. 40 (456965.URPN. USPAT 2004, I "S574823" "5781880").PN. 51 ("4561102" "4653098" "5003604" "5216747" "5226108" USPAT 2004, I "S574823" "5781880").PN. 52 ("3982070" "3995116" "4004096" "4282405" "4696038" USPAT 2004, I "4791671" "4856068" "4879748" "4989247").PN. 53 ((initial near set) and (pitch near (estimat\$ or detect\$ or calcul\$)) and correlat\$ 64 ((initial near set) and (pitch near (estimat\$ or detect\$ or calcul\$)) and correlat\$ 65 ((initial near set) and (pitch near (estimat\$ or detect\$ or calcul\$)) and correlat\$	08/17 13:08 08/17 13:20 08/17 13:58
- 0 (EP-7430006-\$).did. USPAT; EPC; JPO USPAT (Indicated and indicated and indicat	08/17 13:20 08/17 13:58
- 19 4924508.URPN.	08/17 13:20 08/17 13:58
- 19 4924508.URPN.	08/17 13:20 08/17 13:58
- 19 4924508.URPN. rough with (pitch near detect\$) USPAT; 2004, 20	08/17 13:58
- 6 rough with (pitch near detect\$) - 7 refine\$ with (pitch near detect\$) - 8 refine\$ with (pitch near detect\$) - 1 22 AMDF and (pitch near detect\$) - 22 AMDF and (pitch near (estimat\$ or detect\$ or calcul\$)) - 36 AMDF and (pitch near (estimat\$ or detect\$ or calcul\$)) - 4 (AMDF and (pitch near (estimat\$ or detect\$ or calcul\$))) - 7 (AMDF and (pitch near (estimat\$ or detect\$ or calcul\$))) - 8 (initial near set) and (pitch near (estimat\$ or detect\$ or calcul\$))) - 8 (initial near set) and (pitch near (estimat\$ or detect\$ or calcul\$)) - 9 (AMDF and (pitch near (estimat\$ or detect\$ or calcul\$))) - 1 (AMDF and (pitch near (estimat\$ or detect\$ or calcul\$))) - 2 (AMDF and (pitch near (estimat\$ or detect\$ or calcul\$))) - 2 (AMDF and (pitch near (estimat\$ or detect\$ or calcul\$)) - 2 (AMDF and (pitch near (estimat\$ or detect\$ or calcul\$)) - 2 (AMDF and (pitch near (estimat\$ or detect\$ or calcul\$)) - 2 (AMDF and (pitch near (estimat\$ or detect\$ or calcul\$)) - 2 (AMDF and (pitch near (estimat\$ or detect\$ or calcul\$) - 3 (AMDF and (pitch near (estimat\$ or detect\$ or calcul\$)) - 4 (AMDF and (pitch near (estimat\$ or detect\$ or calcul\$)) - 5 (ABDF and (pitch near (estimat\$ or detect\$ or calcul\$)) - 5 (ABDF and (pitch near (estimat\$ or detect\$ or calcul\$)) - 6 (ABDF and (pitch near (estimat\$ or detect\$ or calcul\$)) - 7 (ABDF and (pitch near (estimat\$ or detect\$ or calcul\$)) - 8 (AMDF and (pitch near (estimat\$ or detect\$ or calcul\$)) - 9 (AMDF and (pitch near (estimat\$ or detect\$ or calcul\$)) - 1 0 0 (AMDF and (pitch near (estimat\$ or detect\$ or calcul\$)) - 1 0 0 (AMDF and (pitch near (estimat\$ or detect\$ or calcul\$)) - 2 0 0 (AMDF and (pitch near (estimat\$ or detect\$ or calcul\$)) - 3 0 (AMDF and (pitch near (estimat\$ or detect\$ or calcul\$)) - 3 0 (AMDF and (pitch near (estimat\$ or detect\$ or calcul\$)) - 4 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	08/17 13:58
FPO; JPO USPAT; EPO; JPO USPAT USPAT USPAT; EPO; JPO USPAT USPAT; EPO; JPO USPAT USPAT; EPO; JPO USPAT USPAT; EPO; JPO USPAT USPAT USPAT; EPO; JPO USPAT USPAT; EPO; JPO	
- S refine\$ with (pitch near detect\$) - 22 AMDF and (pitch near detect\$) - 36 AMDF and (pitch near (estimat\$ or detect\$ or calcul\$)) - 36 AMDF and (pitch near (estimat\$ or detect\$ or calcul\$)) - 4 (AMDF and (pitch near (estimat\$ or detect\$ or calcul\$))) and refin\$ - 83 (initial near set) and (pitch near (estimat\$ or detect\$ or calcul\$))) and refin\$ - 7 ("4561102" "4653098" "5003604" "5216747" "5226108" EPO; JPO USPAT; EPO; JPO USPAT; EPO; JPO USPAT; EPO; JPO USPAT 2004, "5574823" "5781880").PN. - 28 ((initial near set) and (pitch near (estimat\$ or detect\$ or calcul\$))) and "real time" - 7 ("4561102" "4653098" "5003604" "5216747" "5226108" EPO; JPO USPAT 2004, "5574823" "5781880").PN. - 0 6456965.URPN. - 0 6456965.URPN. - 0 7 ("4561102" "4653098" "5003604" "5216747" "5226108" USPAT 2004, "5574823" "5781880").PN. - 0 ("4561102" "4653098" "5003604" "5216747" "5226108" USPAT 2004, "4791671" "4855068" "4879748" "4989247").PN. - 0 ("initial near set) and (pitch near (estimat\$ or detect\$ or calcul\$)) and corelat\$ - 0 (initial near set) and (pitch near (estimat\$ or detect\$ or calcul\$)) and corelat\$ - 18 (initial near set) and (pitch near (estimat\$ or detect\$ or calcul\$)) and corelat\$ - 18 (initial near set) and (pitch near (estimat\$ or detect\$ or calcul\$)) and corelat\$ - 18 (initial near set) and (pitch near (estimat\$ or detect\$ or calcul\$)) and corelat\$ - 18 (initial near set) and (pitch near (estimat\$ or detect\$ or calcul\$)) and corelat\$ - 18 (initial near set) and (pitch near (estimat\$ or detect\$ or calcul\$)) and corelat\$ - 18 (initial near set) and (pitch near (estimat\$ or detect\$ or calcul\$)) and corelat\$ - 18 (initial near set) and (pitch near (estimat\$ or detect\$ or calcul\$)) and corelat\$ - 18 (initial near set) and (pitch near (estimat\$ or detect\$ or calcul\$)) and corelat\$	18/17 14· ∩5
- 22 AMDF and (pitch near detect\$)	#11/1/ 1 → 'U'
- 22 AMDF and (pitch near detect\$) - 36 AMDF and (pitch near (estimat\$ or detect\$ or calcul\$)) - 4 (AMDF and (pitch near (estimat\$ or detect\$ or calcul\$)) - 4 (AMDF and (pitch near (estimat\$ or detect\$ or calcul\$))) and refin\$ - 83 (initial near set) and (pitch near (estimat\$ or detect\$ or calcul\$)) - 7 ("4561102" "4653098" "5003604" "5216747" "5226108" EPO; JPO USPAT; EPO; JPO USPAT - 28 ((initial near set) and (pitch near (estimat\$ or detect\$ or calcul\$))) and "real time" - 7 ("4561102" "4653098" "5003604" "5216747" "5226108" EPO; JPO USPAT - 7 ("4561102" "4653098" "5003604" "5216747" "5226108" EPO; JPO USPAT - 0 6456965.URPN. - 0 6456965.URPN. - 0 6456965.URPN. - 0 ("4561102" "4653098" "5003604" "5216747" "5226108" USPAT 2004; "5574823" "5781880").PN. - 0 ("4561102" "4653098" "5003604" "5216747" "5226108" USPAT 2004; "6456102" "4653098" "5003604" "5216747" "5226108" USPAT 2004; "4791671" "4856068" "4879748" "4989247").PN. - 9 ("3982070" "3995116" "4004096" "4282405" "4696038" USPAT 2004; "4791671" "4856068" "4879748" "4989247").PN. - 0 (initial near set) and (pitch near (estimat\$ or detect\$ or calcul\$)) and correlat\$ - 36 (initial near set) and (pitch near (estimat\$ or detect\$ or calcul\$)) and correlat\$ - 36 (initial near set) and (pitch near (estimat\$ or detect\$ or calcul\$)) and correlat\$ - 36 (AMDF and (pitch near (estimat\$ or detect\$ or calcul\$)) and correlat\$,0,1, 11.03
- 36 AMDF and (pitch near (estimat\$ or detect\$ or calcul\$)) - 4 (AMDF and (pitch near (estimat\$ or detect\$ or calcul\$))) and refin\$ 2004, refin\$ 200	00/47 44.06
- 36 AMDF and (pitch near (estimat\$ or detect\$ or calcul\$)) - 4 (AMDF and (pitch near (estimat\$ or detect\$ or calcul\$))) and refin\$ - 83 (initial near set) and (pitch near (estimat\$ or detect\$ or calcul\$))) and calcul\$)) - 7 ("4561102" "4653098" "5003604" "5216747" "5226108" EPO; JPO USPAT; EPO; JPO USPAT; EPO; JPO USPAT 2004; "5574823" "5781880").PN 28 ((initial near set) and (pitch near (estimat\$ or detect\$ or calcul\$))) and "real time" EPO; JPO USPAT 2004; "5574823" "5781880").PN 7 ("4561102" "4653098" "5003604" "5216747" "5226108" EPO; JPO USPAT 2004; "5574823" "5781880").PN 0 6456965.URPN.	08/17 14:06
- 4 (AMDF and (pitch near (estimat\$ or detect\$ or calcul\$))) and refin\$ - 83 (initial near set) and (pitch near (estimat\$ or detect\$ or calcul\$))	
- 4 (AMDF and (pitch near (estimat\$ or detect\$ or calcul\$))) and refin\$ 2004. - 83 (initial near set) and (pitch near (estimat\$ or detect\$ or calcul\$)) - 7 ("4561102" "4653098" "5003604" "5216747" "5226108" EPO; JPO USPAT; EPO; JPO USPAT "5574823" "5781880").PN 28 ((initial near set) and (pitch near (estimat\$ or detect\$ or calcul\$))) and "real time"	08/17 16:12
refin\$ (initial near set) and (pitch near (estimat\$ or detect\$ or calcul\$)) 7 ("4561102" "4653098" "5003604" "5216747" "5226108" USPAT 2004 "5574823" "5781880").PN. ((initial near set) and (pitch near (estimat\$ or detect\$ or calcul\$))) and "real time" 7 ("4561102" "4653098" "5003604" "5216747" "5226108" EPO; JPO USPAT 2004 "5574823" "5781880").PN. 0 (6456965.URPN.	
refin\$ (initial near set) and (pitch near (estimat\$ or detect\$ or calcul\$)) 7 ("4561102" "4653098" "5003604" "5216747" "5226108" USPAT 2004 "5574823" "5781880").PN. 28 ((initial near set) and (pitch near (estimat\$ or detect\$ or calcul\$))) and "real time" 7 ("4561102" "4653098" "5003604" "5216747" "5226108" EPO; JPO USPAT 2004 "5574823" "5781880").PN. 0 6456965.URPN. 0 6456965.URPN. 0 6456965.URPN. 1 "5574823" "5781880").PN. 0 ("4961102" "4653098" "5003604" "5216747" "5226108" USPAT 2004 "5574823" "5781880").PN. 1 "5574823" "5781880").PN. 1 "3982070" "3995116" "4004096" "4282405" "4696038" USPAT 2004 "4791671" "4856068" "4879748" "4989247").PN. 2 (initial near set) and (pitch near (estimat\$ or detect\$ or calcul\$)) and correlat\$ EPO; JPO (USPAT; 2004 Calcul\$)) and correlat\$ EPO; JPO (USPAT; 2004 EPO; JPO (USPAT) EPO; JPO (USPAT) EPO; JPO (USPAT) EP	08/17 14:07
- 83 (initial near set) and (pitch near (estimat\$ or detect\$ or calcul\$)) - 7 ("4561102" "4653098" "5003604" "5216747" "5226108" USPAT 2004 "5574823" "5781880").PN. - 28 ((initial near set) and (pitch near (estimat\$ or detect\$ or calcul\$))) and "real time" USPAT; EPO; JPO USPAT 2004 "5574823" "5781880").PN. - 7 ("4561102" "4653098" "5003604" "5216747" "5226108" USPAT 2004 "5574823" "5781880").PN. - 0 6456965.URPN.	
Calcul\$)	08/17 15:06
7 ("4561102" "4653098" "5003604" "5216747" "5226108" USPAT 2004 "5574823" "5781880").PN. 28 ((initial near set) and (pitch near (estimat\$ or detect\$ or calcul\$))) and "real time" EPO; JPO USPAT 2004 "5574823" "5781880").PN. 7 ("4561102" "4653098" "5003604" "5216747" "5226108" USPAT 2004 "5574823" "5781880").PN. 0 6456965.URPN. USPAT 2004 USPAT 2004 "4561102" "4653098" "5003604" "5216747" "5226108" USPAT 2004 "5574823" "5781880").PN. 7 ("4561102" "4653098" "5003604" "5216747" "5226108" USPAT 2004 "5574823" "5781880").PN. 9 ("3982070" "3995116" "4004096" "4282405" "4696038" USPAT 2004 "4791671" "4856068" "4879748" "4989247").PN. 0 (initial near set) and (pitch near (estimat\$ or detect\$ or calcul\$)) and correlat\$ EPO; JPO USPAT; calcul\$)) and correlat\$ 1 (initial near set) and (pitch near (estimat\$ or detect\$ or calcul\$)) and USPAT; 2004 EPO; JPO 26 AMDF and (pitch near (estimat\$ or detect\$ or calcul\$)) and USPAT; 2004 EPO; JPO 26 AMDF and (pitch near (estimat\$ or detect\$ or calcul\$)) and USPAT; 2004 EPO; JPO 26 AMDF and (pitch near (estimat\$ or detect\$ or calcul\$)) and USPAT; 2004 EPO; JPO 26 AMDF and (pitch near (estimat\$ or detect\$ or calcul\$)) and USPAT; 2004 EPO; JPO 26 AMDF and (pitch near (estimat\$ or detect\$ or calcul\$)) and USPAT; 2004 EPO; JPO 26 AMDF and (pitch near (estimat\$ or detect\$ or calcul\$)) and USPAT; 2004 20	,
"5574823" "5781880").PN.	08/17 14:14
- 28 ((initial near set) and (pitch near (estimat\$ or detect\$ or calcul\$))) and "real time" - 7 ("4561102" "4653098" "5003604" "5216747" "5226108" USPAT 2004 "5574823" "5781880").PN. - 0 6456965.URPN.	,0,1, 1,11
calcul\$))) and "real time" 7 ("4561102" "4653098" "5003604" "5216747" "5226108" USPAT 2004 "5574823" "5781880").PN. 0 6456965.URPN.	08/17 14:21
- 7 ("4561102" "4653098" "5003604" "5216747" "5226108" USPAT 2004 "5574823" "5781880").PN. - 0 6456965.URPN.	30/17 11.21
"5574823" "5781880").PN.	08/17 14:24
- 0 6456965.URPN.	30/17 17.27
- 0 6456965.URPN.	00/17 14:24
- 7 ("4561102" "4653098" "5003604" "5216747" "5226108" USPAT 2004 "5574823" "5781880").PN. - 9 ("3982070" "3995116" "4004096" "4282405" "4696038" USPAT 2004 "4791671" "4856068" "4879748" "4989247").PN. - 0 (initial near set) and (pitch near (estimat\$ or detect\$ or calcul\$)) and corelat\$ EPO; JPO USPAT; 2004 EPO; JPO Calcul\$)) and correlat\$ EPO; JPO USPAT; 2004 EPO; JPO Calcul\$)) and correlat\$ EPO; JPO USPAT; 2004 EPO; JPO Calcul\$)) and correlat\$ EPO; JPO Calcul\$) EPO; JPO Calcul\$)	08/17 14:24
"5574823" "5781880").PN. 9	08/17 14:24
- 9 ("3982070" "3995116" "4004096" "4282405" "4696038" USPAT 2004 "4791671" "4856068" "4879748" "4989247").PN. - 0 (initial near set) and (pitch near (estimat\$ or detect\$ or calcul\$)) and corelat\$ EPO; JPO USPAT; 2004 Calcul\$)) and correlat\$ EPO; JPO USPAT; 2004 Calcul\$)) and correlat\$ EPO; JPO USPAT; 2004 Calcul\$)) and correlat\$ EPO; JPO USPAT; 2004 Calcul\$) and Correlat\$ EPO; JPO USPAT; 2004 Calcul\$)	08/17 14:24
- 36 (initial near set) and (pitch near (estimat\$ or detect\$ or calcul\$)) and correlat\$ - 36 (initial near set) and (pitch near (estimat\$ or detect\$ or calcul\$)) and correlat\$ - 36 AMDF and (pitch near (estimat\$ or detect\$ or calcul\$)) and correlat\$ - 26 AMDF and (pitch near (estimat\$ or detect\$ or calcul\$)) and USPAT; 2004	
- 0 (initial near set) and (pitch near (estimat\$ or detect\$ or calcul\$)) and corelat\$ EPO; JPO - 36 (initial near set) and (pitch near (estimat\$ or detect\$ or calcul\$)) and correlat\$ EPO; JPO - 26 AMDF and (pitch near (estimat\$ or detect\$ or calcul\$)) and USPAT; 2004	08/17 14:25
calcul\$)) and corelat\$ (initial near set) and (pitch near (estimat\$ or detect\$ or calcul\$)) and correlat\$ AMDF and (pitch near (estimat\$ or detect\$ or calcul\$)) and USPAT; 2004 CALCUL\$) and CORRECT OF CALCUL\$)) and USPAT; 2004	
calcul\$)) and corelat\$ (initial near set) and (pitch near (estimat\$ or detect\$ or calcul\$)) and correlat\$ AMDF and (pitch near (estimat\$ or detect\$ or calcul\$)) and EPO; JPO USPAT; 2004 EPO; JPO USPAT; 2004	08/17 15:06
- 36 (initial near set) and (pitch near (estimat\$ or detect\$ or calcul\$)) and correlat\$ EPO; JPO - 26 AMDF and (pitch near (estimat\$ or detect\$ or calcul\$)) and USPAT; 2004	
calcul\$)) and correlat\$ AMDF and (pitch near (estimat\$ or detect\$ or calcul\$)) and USPAT; 2004	08/17 15:08
- 26 AMDF and (pitch near (estimat\$ or detect\$ or calcul\$)) and USPAT; 2004	•
	08/17 15:09
correlat\$ EPO; JPO	,
	08/17 15:25
EPO; JPO	,0,1, 13.23
	19/17 15:20
EPO; JPO	08/17 15:29
EPO; JPO	08/17 15:29 08/17 15:29
	08/17 15:29
EPO; JPO	
	08/17 15:29 08/17 15:29
EPO; JPO	08/17 15:29
	08/17 15:29 08/17 15:29 08/17 16:07
	08/17 15:29 08/17 15:29
EPO; JPO	08/17 15:29 08/17 15:29 08/17 16:07
	08/17 15:29 08/17 15:29 08/17 16:07 08/17 15:30
EPO; JPO	08/17 15:29 08/17 15:29 08/17 16:07 08/17 15:30

•	9	AMDF and "second step"	USPAT;	2004/08/17 16:11
			EPO; JPO	
-	17	AMDF and "first step"	USPAT;	2004/08/17 16:11
			EPO; JPO	
-	118	"first step" and "second step" and (pitch near (estimat\$ or	USPAT;	2004/08/18 10:05
		detect\$ or calcul\$))	EPO; JPO	
-	92	"first stage" and "second stage" and (pitch near (estimat\$ or	USPAT;	2004/08/18 10:06
		detect\$ or calcul\$))	EPO; JPO	
-	4	5704000.URPN.	USPAT	 2004/08/18-10:18 -
-	15	("3947638" "4004096" "4468804" "4625286" "4653098"	USPAT	2004/08/18 10:19
	1 /	"4696038" "4731846" "4791671" "4802221" "4852179"		
	1 1	"4989247" "5056143" "5233660" "5313553"		
		"5350303").PN.		

tagged.